

Today's Topics:

Amateur Radio on PBS (2 msgs)
AUTOMATIC DIGITAL ON HF
Help Buying Short Wave Radio
IC-32AT Expanded xmit range??
Sommer antennas - info wanted
TexNet inquiry
W1AW- Computer-generated QR

Date: 29 Dec 89 19:55:39 GMT
From: kchen@apple.com (Kok Chen)
Subject: Amateur Radio on PBS
Message-ID: <37513@apple.Apple.COM>

Saw this posted on the bulletin board of a local ham store: An ARRL-produced program, "The New World of Amateur Radio," will be airing on PBS the week of Jan 7. Locally, in the S.F. Bay Area, it will be on at 7:30 on Jan. 7, on KQED. Hope this was not last year's notice :-). Anyone know for sure?

Kok Chen kchen@apple.COM
Apple Computer, Inc.

Date: 29 Dec 89 21:21:01 GMT
From: zaphod.mps.ohio-state.edu!mips!wyse!steve@tut.cis.ohio-state.edu (Steve Wilson xttemp dept303)
Subject: Amateur Radio on PBS
Message-ID: <2568@wyse.wyse.com>

In article <37513@apple.Apple.COM> kchen@Apple.COM (Kok Chen) writes:
> An ARRL-
> produced program, "The New World of Amateur Radio," will be airing on
> PBS the week of Jan 7. Locally, in the S.F. Bay Area, it will be on
> at 7:30 on Jan. 7, on KQED. Hope this was not last year's notice :-).
> Anyone know for sure?
>
> Kok Chen kchen@apple.COM
> Apple Computer, Inc.

This is current information. Randy, KK6BO, who is the Public Information Officer for the ARRL Santa Clara Valley section has been touting the showing for a couple of weeks locally. Its also going to be shown on KQEC at a different time but I don't recall when that is...anyone else have a better memory than myself?

73's de Steve KA6S

Date: 30 Dec 89 01:38:51 GMT
From: cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!ux1.cso.uiuc.edu!phil@tut.cis.ohio-state.edu
Subject: AUTOMATIC DIGITAL ON HF
Message-ID: <30500340@ux1.cso.uiuc.edu>

> subband). If not the full subbands then at least half. This leaves the
> Extra class segments for CW and attended Digital -- This should leave a
> good "incentive" for CW users to upgrade to Extra.

How about a new license class for CW gurus: CODE MASTER class, where one only needs the general theory, but passes 30 WPM to get access to the Extra portion of the CW band (but not any other Extra privs and not the calls).

Ya know... the expanding packet radio usage is impacting existing CW usage more than it is impacting voice. The sharing of CW and RTTY/digital is not necessarily so good an idea.

Maybe we should have specific subbands for certain traditional modes, and open the rest of each band for bandwidth limitations only.

> Also this same rulemaking should be the place where we change the
> transmission SPEED rules to BANDWIDTH rules.
>
> Perhaps we create higher bandwidth subbands in some of the Automatic
> Digital subbands.

How about some spread spectrum, too? Seriously!
But this will complicate the rules on bandwidth limitations. What measures exist for efficiency of SS emissions?

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

Date: 29 Dec 89 20:22:41 GMT
From: lenti!leland@UMN-CS.CS.UMN.EDU (Dana Defosse)
Subject: Help Buying Short Wave Radio
Message-ID: <17945@umn-cs.CS.UMN.EDU>

I am interested in finding a radio to listen to foreign short wave broadcasts. I have, as yet, little experience in costs and availability of radios. Can anyone E-mail me advice on sources of used and fairly inexpensive equipment that will allow me to get started.

Dana Defosse leland@lenti.med.umn.edu

Date: Fri, 29 Dec 89 11:52:58 -0800
From: Doug Faunt N6TQS 415-688-8269 <faunt@cisco.com>
Subject: IC-32AT Expanded xmit range??

MODS FOR ICOM 32AT

1. Remove battery and antenna.
2. Loosen two screws on top of unit as much as possible without removing them.
3. Loosen 4 flat head screws on bottom of unit 1 turn.
4. Loosen 2 screws near PTT switch 1 turn.
5. Remove 4 black screws on back of unit.
6. Lift bottom of front cover .25 inch, slide it down .25 inch, then lift front cover up 1 inch.
7. Disconnect plug on 4 wires coming from the speaker.
<< The flex cable can be disconnected from the main board by gently pulling up on the ears of the connector for that cable on the main board>>
8. Lay front panel on table up-side down being careful of the flex circuit.
9. All mods are done to the back of the front panel. Notice places for 5 axial diodes, which I will call 1 through 5, 1 being nearest the display.
<<These are on the right hand side of the back of the front panel>>
Add/remove diodes so there are diodes in positions 3 and 5. This will open up receive coverage for VHF & UHF and enable keyboard entry of the 10 MHz digit.
<< I seemed to have the same coverage with and without diode #3 installed>>

When you go out of the range the radio will receive a U appears in place of the memory channel number. It means the PLL circuit has lost lock and the radio will not work.

10. Notice 4 surface mount resistors slightly left of center directly above the speaker, lined up in a row. Solder the anode (the side without the bar) of two diodes to the right side of the lower of the four resistors.
<<I followed the trace to an small unused pad to the right, and used that as a connection point. The rightmost pad of the 5 diode pad set on the lower right of the CPU board is also connected to that trace.>>
Now find the CPU. It's the PGA under the shield near the top of the board. Find the row of pins on the CPU nearest the speaker. Notice the the 8th pin from the right has a thicker trace coming

from it. Now notice that there are small solder pads about .25 inch toward the speaker on both the fat trace and the two traces to the right of it. Solder one each of the cathodes of the 2 diodes to the solder pads on the two smaller traces.

This will open up the transmit for VHF & UHF.

<< Oh yes, note that memory channels clear when you do these. And the <<right diode opens xmit on VHF, the left on UHF. You should probably <<do a microprocessor reset when you power back up. >>

11. Put unit back together in reverse order.

This procedure worked for my unit, but I can't guarantee it will work for yours.

<<After the diode is installed in position #5, this will work>>

Last but not least to enable cross band repeating first choose a pair of frequencies with the two vfo's for VHF and UHF. Then press and hold function key while pressing with the other hand the following "C" "6" "D". The radio will start scanning the two frequencies continuously, if a station is heard in one of the two it will retransmitted from the other! The two frequencies must be simplex, no cross band repeaters yet sorry!

WROY, SV1IW, N1BIP, NV7F, and N7HMF all contributed to this.

Date: 28 Dec 89 17:45:09 GMT

From: ucsdhub!hp-sdd!hp-pcd!hplsla!hpubvwa!johnh@ucsd.edu (John Hays)

Subject: Sommer antennas - info wanted

Message-ID: <2880001@hpubvwa.NSR.HP.COM>

The new request for rulemaking by the ARRL to allow AUTOMATIC CONTROL of HF Digital Communications is a proposal much needed. HOWEVER, I am concerned that the "CW Good Ol' Boys" have influenced it improperly in one regard; The proposed sub-bands are far too small. 10Khz. on the more popular bands is just inviting an unusable system as demand for HF digital relay requirements increase. I think we should open the entire General/Advanced CW sub-bands to Automatic Digital and Half of the 10M Novice subband (Maybe we require Tech or Above license in the novice subband). If not the full subbands then at least half. This leaves the Extra class segments for CW and attended Digital -- This should leave a good "incentive" for CW users to upgrade to Extra.

Also this same rulemaking should be the place where we change the transmission SPEED rules to BANDWIDTH rules.

Perhaps we create higher bandwidth subbands in some of the Automatic Digital subbands.

Comments? (Send them to the FCC as well)

John D. Hays, KD7UW
KD7UW@KD7UW.UT.USA.NA (AX.25 Packet, NOT INTERNET)
hays@kd7uw.ampr.org [44.40.1.3] AMPRNET
hays@apollo.hp.com INTERNET
hplabs!hpfscse!hpuslua!hays UUCP
72725,424 CI\$
HAYS GENie

Date: Fri, 29 Dec 89 16:48:34 CST
From: rlwest@flopn2.csc.ti.com (Bob West, WA8YCD)
Subject: TexNet inquiry
Message-ID: <8912292302.AA14852@ti.com>

To: batesm@mist.CS.ORST.EDU
Subj: RE: TCP/IP Node / TeXNet

> From: TILDE::"batesm@mist.CS.ORST.EDU" "Mike Bates" 22-DEC-1989 20:35:35.22
> To: info-hams-incoming
> Subj: TCP/IP Node / TeXNet
>
>
> What is TeXNet and where can I get information on it?
>
> 73's de Mike Bates, KF7DQ @ WA7ARI
> batesm@mist.cs.orst.edu

Mike,
Texas Packet Radio Society, Inc.
P. O. Box 50238
Denton, Texas 76206-0238

ATTN: Greg Jones, WD5IVD
greg@ntvax.unt.edu

TexNet is an interconnection alternative. It provides (at least in the implementation here in the Dallas area) multi-user connects, Message Service, conference bridges, trunking to other cities, and a National Weather Service database.

Drop Greg a note or Email, he can get you detailed information.

73,
Bob West WA8YCD
RLWEST@FLOPN2.CSC.TI.COM

Date: 29 Dec 89 17:21:33 GMT
From: sun-barr!newstop!texsun!texbell!uudell!natinst!rpp386!puzzle!khijol!
erc@apple.com (Edwin R. Carp)
Subject: W1AW- Computer-generated QR
Message-ID: <845@khijol.UUCP>

In article <8912290143.AA18720@esl.ESL.COM> David_Waters.M1@smtp.ESL.COM (David Waters) writes:

>
>Why should I subscribe to their formal operations guides, if the ultimate 'big
>gun' transmitters are operated in such an impolite manner? They have an operator
>there, that's why they are there. Otherwise, just let a computer bang the signal
>out over any unlucky person. Really, if they expect credibility, then their
>operating manners should be impeccable. "It's always been that way" or "it's
>hard to do" are not valid excuses.

Why not? There are folks out there who insist on having their net/QSO on
THEIR frequency, no matter what. If someone else is in their, tough. Just
QRO and pretend you can't hear them.

Not everyone's like that, fortunately. FOWO (From One Who Knows) - I run
25W on 10m mobile.

----- discard all after this line -----
Ed Carp N7EKG/5 (28.3-28.5) ...!attctc!puzzle!khijol!erc (home) (512) 832-5884
Snail Mail: 2000 Cedar Bend Dr., #335, Austin, TX 78758

[Disclaimer: The information contained in this message is soley for informa-
tional purposes only. Use at your own risk. No warranty expressed or
implied.]

Score:
Noreiga: 1 USA: 0

"Good tea. Nice house." -- Worf

End of INFO-HAMS Digest V89 Issue #1070
